

# THE INTERNATIONAL PHONETIC ALPHABET (revised to 2018)

## CONSONANTS (PULMONIC)

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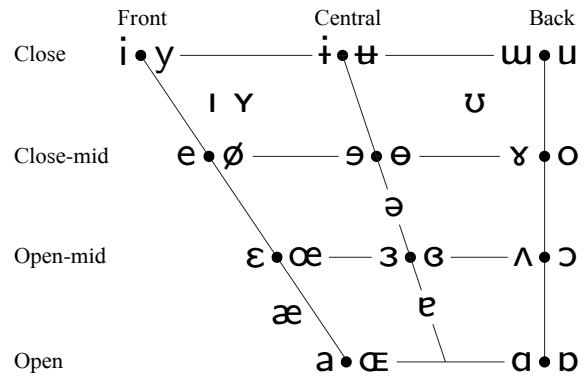
	Bilabial	Labiodental	Dental	Alveolar	Postalveolar	Retroflex	Palatal	Velar	Uvular	Pharyngeal	Glottal
Plosive	p b			t d		ʈ ɖ	c ɟ	k ɡ	q ɢ		ʔ
Nasal	m	ɱ		n		ɳ	ɲ	ŋ	ɴ		
Trill	ʙ			r					ʀ		
Tap or Flap		ⱱ		ɾ		ɽ					
Fricative	ɸ β	f v	θ ð	s z	ʃ ʒ	ɕ ʐ	ç ʝ	x ɣ	χ ʁ	ħ ʕ	h ɦ
Lateral fricative				ɬ ɮ							
Approximant		ʋ		ɹ		ɻ	j	ɰ			
Lateral approximant				l		ɭ	ʎ	ʟ			

Symbols to the right in a cell are voiced, to the left are voiceless. Shaded areas denote articulations judged impossible.

## CONSONANTS (NON-PULMONIC)

Clicks	Voiced implosives	Ejectives
⦿ Bilabial	ɓ Bilabial	ʼ Examples:
ǀ Dental	ɗ Dental/alveolar	pʼ Bilabial
ǃ (Post)alveolar	ɟ Palatal	tʼ Dental/alveolar
ǂ Palatoalveolar	ɡ Velar	kʼ Velar
ǁ Alveolar lateral	ɠ Uvular	sʼ Alveolar fricative

## VOWELS



## OTHER SYMBOLS

- ʍ Voiceless labial-velar fricative
- ʎ Voiced labial-velar approximant
- ɥ Voiced labial-palatal approximant
- ʜ Voiceless epiglottal fricative
- ʢ Voiced epiglottal fricative
- ʧ Epiglottal plosive
- ɕ ʑ Alveolo-palatal fricatives
- ɻ Voiced alveolar lateral flap
- ɥ Simultaneous ɹ and ɰ
- Affricates and double articulations can be represented by two symbols joined by a tie bar if necessary.

ts̩ k̟

## SUPRASEGMENTALS

- ˈ Primary stress
- ˌ Secondary stress
- ː Long
- ˑ Half-long
- ˘ Extra-short
- ◌| Minor (foot) group
- ◌|| Major (intonation) group
- Syllable break
- ◌◌ Linking (absence of a break)

## DIACRITICS

Some diacritics may be placed above a symbol with a descender, e.g. ɨ̥̊

◌̥ Voiceless	◌̊ Breathy voiced	◌̌ Dental
◌̋ Voiced	◌̍ Creaky voiced	◌̎ Apical
◌̏ Aspirated	◌̐ Linguolabial	◌̑ Laminal
◌̑ More rounded	◌̒ Labialized	◌̓ Nasalized
◌̑ Less rounded	◌̔ Palatalized	◌̕ Nasal release
◌̑ Advanced	◌̖ Velarized	◌̗ Lateral release
◌̑ Retracted	◌̘ Pharyngealized	◌̙ No audible release
◌̑ Centralized	◌̚ Velarized or pharyngealized	
◌̑ Mid-centralized	◌̜ Raised	
◌̑ Syllabic	◌̝ Lowered	
◌̑ Non-syllabic	◌̞ Advanced Tongue Root	
◌̑ Rhoticity	◌̟ Retracted Tongue Root	

## TONES AND WORD ACCENTS

- | LEVEL   | CONTOUR          |
|---------|------------------|
| é or ɛ̥ | ↗ Extra high     |
| é       | ↘ High           |
| ē       | ↗ Mid            |
| è       | ↘ Low            |
| è̥      | ↗ Extra low      |
| ↓       | Downstep         |
| ↑       | Upstep           |
| ě or ɛ̄ | ↗ Rising         |
| ê       | ↘ Falling        |
| ē       | ↗ High rising    |
| ē̄      | ↘ Low rising     |
| ě̄      | ↗ Rising-falling |
| ↗       | Global rise      |
| ↘       | Global fall      |